

<b>MARRINERS INC.</b>	)	<b>DEPARTMENTAL</b>
<b>KNOX COUNTY</b>	)	<b>FINDINGS OF FACT AND ORDER</b>
<b>WASHINGTON, MAINE</b>	)	<b>AIR EMISSION LICENSE</b>
<b>A-239-71-J-A (SM)</b>	)	<b>AMENDMENT #1</b>

After review of the air emission license application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

A. Introduction:

Marriners, Inc. (Marriners), located in Washington, Maine was issued Air Emission License A-239-71-I-R/M on February 25, 2004, permitting the operation of air emission sources associated with their asphalt plant and crushed stone and gravel facility.

Marriners has applied to amend their Air Emission License, permitting the increase in the sulfur content of the #2 fuel oil used at their facility from 0.05% to 0.35%. This change results in Marriners becoming a Synthetic Minor Source.

B. Application Classification:

The application for Marriners does not include the installation of new or modified equipment, therefore the license is considered to be a minor modification of the current Air Emission License.

C. Facility Emissions and Fuel Caps

Asphalt Plants #1 and #2 shall fire #2 fuel oil with a sulfur content not to exceed 0.35% by weight. Fuel use shall not exceed 1,000,000 gal/year (facility-wide) of fuel based on a 12-month rolling total. Delivery receipts shall be kept documenting the quantity and sulfur content for compliance purposes.

**MARRINERS INC.**  
**KNOX COUNTY**  
**WASHINGTON, MAINE**  
**A-239-71-J-A (SM)**

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**Total Licensed Annual Emissions for the Facility**

(used to calculate the annual license fee)

Tons/Year

<b>Equipment</b>	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>VOC</b>
Asphalt Plant #1	1.23	1.23	8.64	1.50	3.55	0.87
Asphalt Plant #2	5.22	5.22	16.04	4.57	10.80	2.66
<b>Total</b>	<b>6.45</b>	<b>6.45</b>	<b>24.68</b>	<b>6.07</b>	<b>14.35</b>	<b>3.53</b>

Emissions are based on burning 1,000,000 gal/yr of #2 fuel oil @ 0.35% Sulfur, with a fuel consumption ratio of 35% Asphalt Plant #1 and 65% Asphalt Plant #2. This ratio is derived from the respective gal/hr fuel burning rates of the Asphalt Plants and do not represent a license limit.

**III. AMBIENT AIR QUALITY ANALYSIS**

According to the Maine Regulations Chapter 115, the level of air quality analyses required for a renewal source shall be determined on a case-by-case basis. Modeling and monitoring are not required of a renewal if the total emissions of any pollutant released do not exceed the following:

<u>Pollutant</u>	<u>TPY</u>
PM	50
PM <sub>10</sub>	25
SO <sub>2</sub>	50
NO <sub>x</sub>	100
CO	250

Based on the emissions listed above, Marriners is below the emissions level required for modeling and monitoring.

**ORDER**

Based on the above Findings the Department hereby grants Air Emission License Amendment A-239-71-J-A, subject to the conditions of Air Emission License A-239-71-I-R/M and the following conditions:

**MARRINERS INC.**  
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**WASHINGTON, MAINE**  
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The following shall replace Specific Conditions (16)(f), and (19):

(16) Asphalt Plants #1 and #2

- f. Emissions from each baghouse shall not exceed the following: [MEDEP Chapter 115, BPT]

Asphalt Plant #1			Asphalt Plant #2	
Pollutant	grs/dscf	lb/hr	grs/dscf	lb/hr
PM	0.03	2.10	0.03	8.80
PM <sub>10</sub>	-	2.10	-	8.80
SO <sub>2</sub>	-	14.70	-	27.04
NO <sub>x</sub>	-	2.56	-	7.70
CO	-	6.05	-	18.20
VOC	-	1.49	-	4.48

(19) Fuel Use Cap

Marriners shall be limited to burning 1,000,000 gal/yr (12 month rolling total) of #2 fuel oil with a sulfur content not to exceed 0.35% by weight. Fuel purchase receipts indicating quantity and sulfur content of fuel shall be maintained on site for at least six years. [MEDEP Chapter 115, BPT]

**New Conditions**

1. Marriners shall keep a copy of this Order on site, and have the operator(s) be familiar with the terms of this Order. [MEDEP Chapter 115, BPT]

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2004.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

The term of this order shall be for five (5) years from the signature date above.

PLEASE NOTE THE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/21/2004

Date of application acceptance: 6/29/2004

Date filed with the Board of Environmental Protection \_\_\_\_\_

This order prepared by Jonathan Voisine, Bureau of Air Quality.